

# HIGH EFFICIENCY CONTROLLER OF A GAS-FILLED LIGHT EMITTING TUBE

## ABSTRACT

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The present invention relates to a high-efficiency controller of a gas-filled light producing tube; the controller can produce signals in a form of outputs of high-frequency sine wave to soft-start a gas-filled light producing tube according to the principle of modulation and oscillation of pulse (P.W.M.) so that the gas-filled tube produces light, and that service light of the gas-filled tube can be lengthened. If abnormal conditions happen, e.g. people's touching the gas-filled tube, and the tube breaking, the controller will make the transformer stop working immediately, preventing sparks from being produced to hurt people, making the gas-filled light producing tube safe to use.12 external switch circuit

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